

The following Listing of the Claims will replace all prior versions and all prior listings of the claims in the present application:

Listing of The Claims:

- 1-11. (canceled)
12. (currently amended) A method of performing a catheter-based procedure to a particular treatment site within a patient comprising:
  - providing a catheter having a proximal end and a distal end and a radially extendible tissue engagement mechanism at its distal end;
  - navigating the catheter so that the distal end is adjacent to the intended treatment site ~~tissue location~~;
  - causing the tissue engagement mechanism to extend into engagement with the tissue adjacent to the treatment site; and
  - performing the ~~medical~~ procedure while maintaining the tissue engagement mechanism in its extended position.
13. (currently amended) A method of performing a catheter-based procedure as defined in claim 12 wherein the treatment site is the myocardium of the heart and the treatment is relieving the symptoms ~~systems~~ of ischemia.
14. (original) A method of performing a catheter-based procedure as defined in claim 13 wherein the treatment of ischemia comprises advancing a tissue implant through the catheter and into the tissue at the treatment site.
15. (original) A method of performing a catheter-based procedure as defined in claim 13 wherein the treatment for ischemia comprises delivering a therapeutic agent or cellular composition through the catheter to the treatment site.

16. (currently amended) A method of performing a catheter-based procedure as defined in claim 12 wherein the treatment site is the myocardium of the heart and the treatment is detecting thermal data of the tissue ~~relieving the systems of ischemia~~.

17. (withdrawn) A method for forming a catheter-based procedure wherein the tissue engagement mechanism comprises a tube in communication with a therapeutic agent pressurized from the proximal end of the catheter when the tissue engagement mechanism contacts the tissue to deliver the agent to the tissue.

18. (withdrawn) A method for delivering a tissue implant into myocardial tissue of the heart comprising:

providing a catheter having at least one lumen and proximal and distal ends and a radially extendible tissue engagement mechanism at its distal end configured to be extended by the presence of a device in the lumen at the distal end of the catheter;

navigating the catheter to the intended implant location in the myocardium;

inserting a delivery device carrying the implant through the lumen of the catheter while applying a distal force in a distal direction upon both the catheter and the delivery device such that the distal end of the catheter abuts the implant site; and

driving the implant through the distal end of the catheter to extend the catheter positioning mechanism to locate the distal end of the catheter so that the implant can be delivered to the intended tissue location.

19. (new) A method of performing a catheter-based procedure as defined in claim 12 wherein the treatment site is the myocardium of the heart and the treatment is detecting electrical data of the tissue.